

CONTENTS

VOL. 91 NO. 1

MARCH 1993

Transient simulation studies on a multi-stage stacked tray solar still by R.S. Adhikari and A. Kumar (New Delhi).....	1
Solubility of boric acid in aqueous solutions of chloride salts by G. Di Giacomo, P. Brandani, V. Brandani and G. Del Re (L'Aquila).....	21
Determination of scale thickness and general and localized metal removal in desalination plants by the gamma-ray interaction method by S. Abdul-Majid (Jeddah)	35
The relationship between flow pattern and thermal non-equilibrium in the multi- stage flash evaporation process by O. Miyatake, T. Hashimoto (Fukuoka) and N. Lior (Philadelphia)	51
The effect of protein fouling in microfiltration and ultra-filtration on permeate flux, protein retention and selectivity: A literature review by A.D. Marshall, P.A. Munro (Palmerston North) and G. Trägårdh (Lund).....	65
Forthcoming events	109
Erratum	114

VOL. 91 - NO. 2

APRIL 1993

Reducing the number of microorganisms in the feed water for membrane demineralization by St. Pavlova and St. Prodanova (Bourgas)	115
Aromatic polyamide-hydrazides for water desalination. II - Reverse osmosis membrane performance of terpolymers by M.D. Satre and N.D. Ghatge (Pune)	121
Performance analysis of a still coupled to a heat exchanger by Y.P. Yadav (Bihar)	135
Transient performance of a high temperature solar distillation by Y.P. Yadav (Bihar)	145
Membrane material for brackish water application for utilities - an evaluation by L. Raghuraman (Bangalore)	155
Production of sulphuric acid and caustic soda from sodium sulphate by electromembrane processes. Comparison between electro-electrodialysis and electrodialysis on bipolar membrane by D. Raucq, G. Pourcelly and C. Gavach (Montpellier)	163
Pervaporation behaviour of chlorinated hydrocarbons through organophilic membrane by C. Dotremont, S. Goethaert and C. Vandecasteele (Leuven)	177
Air sweep water pervaporation with hollow fiber membranes by E. Korngold and E. Korin (Beer-Sheva)	187
Dilute aqueous formaldehyde oxidation with hypochlorous acid by A.P. Murphy, L.H. Rowley and C.D. Moody (Denver)	199
Abstracts from Technology of Water Treatment (bi-monthly journal in Chinese)	209
Forthcoming events	219

CONTENTS

VOL. 91 NO. 1

MARCH 1993

Transient simulation studies on a multi-stage stacked tray solar still by R.S. Adhikari and A. Kumar (New Delhi).....	1
Solubility of boric acid in aqueous solutions of chloride salts by G. Di Giacomo, P. Brandani, V. Brandani and G. Del Re (L'Aquila).....	21
Determination of scale thickness and general and localized metal removal in desalination plants by the gamma-ray interaction method by S. Abdul-Majid (Jeddah)	35
The relationship between flow pattern and thermal non-equilibrium in the multi- stage flash evaporation process by O. Miyatake, T. Hashimoto (Fukuoka) and N. Lior (Philadelphia)	51
The effect of protein fouling in microfiltration and ultra-filtration on permeate flux, protein retention and selectivity: A literature review by A.D. Marshall, P.A. Munro (Palmerston North) and G. Trägårdh (Lund).....	65
Forthcoming events	109
Erratum	114

VOL. 91 - NO. 2

APRIL 1993

Reducing the number of microorganisms in the feed water for membrane demineralization by St. Pavlova and St. Prodanova (Bourgas)	115
Aromatic polyamide-hydrazides for water desalination. II - Reverse osmosis membrane performance of terpolymers by M.D. Satre and N.D. Ghatge (Pune)	121
Performance analysis of a still coupled to a heat exchanger by Y.P. Yadav (Bihar)	135
Transient performance of a high temperature solar distillation by Y.P. Yadav (Bihar)	145
Membrane material for brackish water application for utilities - an evaluation by L. Raghuraman (Bangalore)	155
Production of sulphuric acid and caustic soda from sodium sulphate by electromembrane processes. Comparison between electro-electrodialysis and electrodialysis on bipolar membrane by D. Raucq, G. Pourcelly and C. Gavach (Montpellier)	163
Pervaporation behaviour of chlorinated hydrocarbons through organophilic membrane by C. Dotremont, S. Goethaert and C. Vandecasteele (Leuven)	177
Air sweep water pervaporation with hollow fiber membranes by E. Korngold and E. Korin (Beer-Sheva)	187
Dilute aqueous formaldehyde oxidation with hypochlorous acid by A.P. Murphy, L.H. Rowley and C.D. Moody (Denver)	199
Abstracts from Technology of Water Treatment (bi-monthly journal in Chinese)	209
Forthcoming events	219

Concentration polarization and water splitting at electrodialysis membranes by V. Mavrov, W. Pusch, O. Kominek and S. Wheelwright (Frankfurt am Main)	225
Diluted brine concentration process using membrane pervaporation technique: Laboratory scale studies	
by Jin Sheng and M.S. Lefebvre (Kensington)	253
Simplified Ohya-Sourirajan analysis for predicting permeator performance	
by A. Malek, M.N.A. Hawlader and J.C. Ho (Singapore)	265
High-recovery reverse osmosis using a recycle loop by Cal C. Herrmann (Moffett Field)	279
Characterization of the reverse osmosis membranes CA 80 and CA 95 by transport coefficients	
by S. Velikova, V. Mavrov and M. Marinov (Bourgas)	293
Recovery of acid and water by membrane dialysis by Grazyna Wisniewska, Jacek Wisniewski and Tomasz Winnicki (Wroclaw)	307
Studies of ion-exchange fiber "IONEX" for precoating material by Masahiro Henmi and Toshio Yoshioka (Singa)	319
Forthcoming events	333
Index and Contents volume 91	339